

Patent #5

Attorney's Docket No. 003277-029**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
	)	
Jarmo AALTONEN et al.	)	Group Art Unit: Unassigned
	)	
Application No.: Unassigned	)	Examiner: Unassigned
	)	
Filed: September 21, 2001	)	
	)	
For: PROCESS FOR PRODUCTION OF	)	
PHOSPHORIC ACID BY	)	
CRYSTALLISATION OF PHOSPHORIC	)	
ACID HEMIHYDRATE	)	

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

U.S. Patent No. 3,642,439

U.S. Patent No. 3,819,810

U.S. Patent No. 3,912,803

U.S. Patent No. 4,243,643

U.S. Patent No. 4,299,804

Russian Patent Application RU 2059570 C1

Japanese Patent Application JP 3-237008 (A)

Japanese Patent Application 3-193614 (A)

UK Patent Application GB 2 078 694 A

European Patent Application 0 209 920 A1

German Patent Application 25 11 345

Finnish Patent Application 95905

PCT Patent Application No. WO 97/00714

Information Disclosure Statement  
Application No. Unassigned  
Attorney's Docket No. 003277-029  
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These references were cited in an International Search Report for the corresponding PCT application. A copy of that Search Report is also being submitted herewith.

Additionally, Applicant submits the following references:

Davister, A., "From Wet Crude Phosphoric Acid to High Purity Products."  
The Fertiliser Society of London, October 15, 1981, pp. 3-19.

Becker, Pierre, "Phosphates and Phosphoric Acid: Raw Materials,  
Technology and Economics of The West Process H<sub>3</sub> PO<sub>4</sub>. Fertilizer Science and  
Technology Series, Vol. 3, pp. 427-437.

Official Journal of the European Communities, No. L 339/59,  
Dec. 12, 1996.

"Animal Feeds: Phosphate Supplements - Purity Requirements."  
Chemical Economics Handbook - SRI International, Agriculture 201.8600 V,  
November 1997.

CHEMENTATOR p. 23, Chemical Engineering, September 1992.

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

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Date: September 24, 2001

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

ATTORNEY'S DKT NO.

003277-029

APPLICATION NO.

Unassigned

APPLICANT

Jarmo AALTONEN et al.

FILING DATE

September 24, 2001

GROUP

Unassigned

## U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
	3,642,439		Moore et al.	02-15-72
	3,819,810		Goldstein	06-25-74
	3,912,803		Williams et al.	10-14-075
	4,243,643		Mills	01-06-81
	4,299,804		Parks et al.	11-10-81

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
	2059570	C1	Russia	11-05-96 (English abstract only)		
	3-237008	A	Japan	10-22-91 (English abstract only)		
	3-193614	A	Japan	08-23-91 (English abstract only)		
	2 078 694	A	United Kingdom	01-13-82		
	0 209 920	A1	Europe	01-28-87	X	
	25 11 345		Germany	09-25-75		X
	95905		Finland	12-29-95		X
	WO 97/00714		WIPO	01-09-97		X

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	Davister, A. et al., "From Wet Crude Phosphoric Acid to High Purity Products. The Fertiliser Society of London, October 15, 1981, pp. 3-19.		
	Becker, Pierre, "Phosphates and Phosphoric Acid: Raw Materials, Technology and Economics of the West Process H <sub>3</sub> PO <sub>4</sub> . Fertilizer Science and Technology Series, Vol. 3, pp. 427-437 Phosphate and Phosphoric Acid		
	Official Journal of the European Communities, No. L 339/59, Dec. 12, 1996.		
	Animal Feeds: Phosphate Supplements - Purity Requirements." Chemical Economics Handbook - SRI International, Agriculture 201.8600 V, November 1997.		
	CHEMENTATOR p. 23, Chemical Engineering, September 1992.		
Examiner Signature			Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.